

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claims 1 - 37 (cancelled).

1        38. (new) A method of manufacturing a construction  
2 element made from wood fibers, wood chips and/or sawdust  
3 comprising the steps of:  
4        providing said wood fibers, wood chips and/or sawdust,  
5        applying an adhesive to said wood fibers, wood chips  
6 and/or sawdust, and  
7        pressing the wood fibers, wood chips and/or sawdust  
8 provided with said adhesive to form said construction  
9 element.

1        39. (new) The method of claim 38, wherein the step of  
2 providing said wood fibers, wood chips and/or sawdust  
3 includes providing at least some of said wood fibers, wood  
4 chips and/or sawdust as recycled wood fibers, wood chips  
5 and/or sawdust from the manufacture of said construction  
6 elements.

1           40. (new) The method of claim 39, further including  
2 the step of grinding said construction elements following  
3 said step of pressing, and wherein said recycled wood  
4 fibers, wood chips and/or sawdust are obtained from said  
5 grinding step.

1           41. (new) The method of claim 38, wherein the step of  
2 pressing is done at a temperature below 120° C.

1           42. (new) The method of claim 38, wherein the step of  
2 pressing is done at a temperature below 95° C.

1           43. (new) The method of claim 38, wherein the step of  
2 pressing is done at a temperature below 60° C.

1           44. (new) The method of claim 38, wherein said  
2 adhesive includes reactive resins, that may be hardened by  
3 cross-linking, selected from the group consisting of urea  
4 resins, melamine resins, acrylic resins, epoxy resins,  
5 polyester resins and mixtures thereof, and the step of  
6 pressing said wood fibers, wood chips and/or sawdust is free  
7 of substantial hardening of said adhesive.

1           45. (new) The method of claim 44, wherein said  
2 construction element comprises from less than about 10% up  
3 to about 35% adhesive by weight.

1           46. (new) The method of claim 44, wherein said wood  
2 fibers, wood chips and/or sawdust are broken down into solid  
3 and liquid components within a gas-tight system, the liquid  
4 components being separated from the solid components at a  
5 temperature in the range from about less than 50° C up to  
6 about 90° C, said liquid components being added to said  
7 adhesive and applied to said solid components to form said  
8 construction element.

1           47. (new) The method of claim 46, wherein said  
2 adhesive is applied to said wood fibers, wood chips and/or  
3 sawdust at a temperature less than 100° C.

1           48. (new) The method of claim 47, further including  
2 the step of drying said wood fibers, wood chips and/or  
3 sawdust in a drying device at a drying temperature, and  
4 wherein the step of applying adhesive is performed remote of  
5 said drying device at a temperature cooler than said drying  
6 temperature.

1           49. (new) The method of claim 48, wherein the step of  
2     applying adhesive includes spraying an adhesive-gas mixture  
3     onto said wood fibers, wood chips and/or sawdust.

1           50. (new) The method of claim 49, wherein said  
2     adhesive is applied in an amount such that the resulting  
3     construction element contains from amount 45 kg/m<sup>3</sup> to 55  
4     kg/m<sup>3</sup> of adhesive.

1           51. (new) The method of claim 50, wherein the step of  
2     applying adhesive includes placing said wood fibers, wood  
3     chips and/or sawdust onto a belt weighing machine and  
4     maintaining a constant weight ratio of said adhesive applied  
5     to said wood fibers, wood chips and/or sawdust.

1           52. (new) The method of claim 51, wherein said wood  
2     fibers, wood chips and/or sawdust provided with said  
3     adhesive are mixed and/or stirred in a cooled wall vessel.

1           53. (new) The method of claim 52, wherein the step of  
2     applying said adhesive includes initially forming a curtain  
3     or a mat of said wood fibers, wood chips and/or sawdust and  
4     applying the adhesive to said curtain or mat.

1           54. (new) The method of claim 53, further including  
2     applying air at a temperature of from about 40° C to about  
3     70° C together with said adhesive to said wood fibers, wood  
4     chips and/or sawdust.

1           55. (new) The method of claim 54, wherein the step of  
2     applying said adhesive includes also applying a hardening  
3     agent to said wood fibers, wood chips and/or sawdust.

1           56. (new) The method of claim 55, wherein said  
2     adhesive applied to said wood fibers, wood chips and/or  
3     sawdust has an outer surface that is hardened by cross-  
4     linking.

1           57. (new) The method of claim 56, further including  
2     laminating a finishing component to said construction  
3     element at an elevated temperature and completing the  
4     hardening by cross-linking of said adhesive.

1           58. (new) The method of claim 44, further including  
2     breaking down said wood fibers, wood chips and/or sawdust  
3     into solid components and liquid components, adding said  
4     liquid components to said adhesive, and applying said

5 adhesive and liquid components to said wood fibers, wood  
6 chips and/or sawdust.

1 59. (new) The method of claim 58, further including  
2 cooling said liquid components by at least 30° C and then  
3 applying the liquid components to said wood fibers, wood  
4 chips and/or sawdust.

1 60. (new) The method of claim 58, wherein said liquid  
2 components include lignin and hemicellulose, said liquid  
3 components comprising up to about 20 percent by weight of  
4 said adhesive.

1 61. (new) The method of claim 58, wherein synthetic  
2 material fibers and/or glass fibers are added to said wood  
3 fibers, wood chips and/or sawdust.

1 62. (new) The method of claim 58, wherein said  
2 adhesive applied to said wood fibers, wood chips and/or  
3 sawdust has an outer surface that is hardened by cross-  
4 linking.

1           63. (new) The method of claim 62, wherein said wood  
2   fibers, wood chips and/or sawdust are charged with steam  
3   immediately before pressing.

1           64. (new) The method of claim 63, wherein said recycled  
2   wood fibers, wood chips and/or sawdust are obtained from the  
3   manufacture of MDF and/or HDF boards for flooring panels and  
4   molded parts.

1           65. (new) The method of claim 64, wherein said pressed  
2   construction element is coated with at least paper provided  
3   with resins and compressed in a press at temperatures above  
4   150° C to laminate said paper to said construction element  
5   and complete said hardening by cross-linking said adhesive.

1           66. (new) A construction element made entirely or  
2   predominantly from wood fibers, wood chips and/or sawdust  
3   provided with adhesive and compressed together, said  
4   construction element containing from about 45 to about 55  
5   kg/m<sup>3</sup> of said adhesive.

1           67. (new) The construction element of claim 66,  
2   wherein said adhesive comprises non-hardened resins.

1           68. (new) The construction element of claim 67,  
2 wherein said adhesive is selected from the group consisting  
3 of urea resins, melamine resins, acrylic resins, epoxy  
4 resins, polyester resins or mixtures of the same.

1           69. (new) The construction element of claim 68,  
2 wherein said construction element is a board.

1           70. (new) The construction element of claim 69,  
2 wherein said board consists essentially of wood fibers  
3 secured together with said adhesive.

1           71. (new) The construction element of claim 68,  
2 wherein said construction element contains more than 5  
3 percent by weight of said sawdust.

1           72. (new) The construction element of claim 68,  
2 wherein said construction element has a density of at least  
3 300 kg/m<sup>3</sup>.

1           73. (new) The construction element of claim 68,  
2 wherein said construction element has a density of less than  
3 1500 kg/m<sup>3</sup>.



1           74. (new) A construction element produced in  
2 accordance with the method of claim 38.

1           75. (new) A laminate panel having a plurality of  
2 layers including a carrier board and one or more paper  
3 layers, said carrier board being produced in accordance with  
4 the method of claim 38.

1           76. (new) The laminate of claim 75, wherein said  
2 carrier board has a density greater than 1500 kg/m<sup>3</sup>.